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Of the yellow fever - 77

Bilious remittent 79 Febricula 80

Cholera morbus 80

Dysentery & Dysenterica 91

Intermittents. 91

✓ It prevailed in Virginia in 1737. & 1741  
chiefly in winter & spring. was bro't  
from ~~Barbados~~ West Indies by the King's  
Ships. Dr Mitchell - It is not  
~~is~~ contagious in West Indies & is  
attributed to here by cold. Bro't once from  
~~Barbados to Philad<sup>a</sup>~~ in some wearing apparel,  
in the fall & carried off over 300 people.



Of the yellow fever - called also  
the bilious fever. —

It is common in all the West Indian  
Islands, but affects strangers chiefly. It  
= very vigorous or crude women. Eruption in northern  
The predisposing causes are fatigue = in-  
= Carolina.  
= relation - and above all intemperance.

The Customs of the West Indians lead to it.  
It is not contagious in West India - But  
to a cooler climate  
Spreads when exported, as happened in  
Philad<sup>a</sup> from Clonatis boat from Barbados.  
200 died with it. —

For a history of the disease see Dr Hume  
p: 197. —

"Flushing in the face - <sup>Redness</sup> ~~redness~~ burning  
- & pain in the eyes - oppression at the  
precordia - sickness at stomach - vom-  
= but retchings, bilious yellow vomitings -  
great anxiety - w: frequent sighings" are



+ But it is not an inevitable symptom.  
Dr Mosely. He says those who recover seldom  
have it.

✓ The disease was often cured before it was  
completely formed by an emetic & the loss  
of 6 or 8 ounces of blood. Sudorifics were  
likewise now proper, but brutal after-  
wards - after inflam<sup>n</sup>: had begun in  
the stomach - bowels & liver which dispositions  
showed always to be present. Dr Mitchell.

Dr Mosely says too it was cured by U.S.  
or a dose of salts when only forming, or  
when yawning - stretching &c only attended.

# Dr Mosely commends it even when pulse is  
low & faintness attends rises with U.S. - sh<sup>d</sup> be used  
as frequently & copiously as in inflam<sup>n</sup> fever. He  
calls it an inflam<sup>n</sup> fever. p. 430, an accidental



characteristic symptoms according to  
Dr Hillary. —

I have seen it in 1762, & common in those  
histories. There is burns to the touch at  
the precordia. The yellowness appears first  
round the mouth - eyes - temples & neck. <sup>+</sup> The  
eyes it appears - the greater danger. It  
generally comes on 2<sup>nd</sup> or 3<sup>rd</sup> day. If it delays  
to <sup>5<sup>th</sup></sup> ~~6<sup>th</sup>~~ day is favourable. —

Hæmorrhages - unfavourable - most so  
from the Arteries. Stools like molasses unfavourable.  
<sup>also a sudden desire to discharge them</sup>  
Small boils or Carbuncles breaking out  
on the breast - sides - shoulders - or hips prove  
critical. Favourable also near the Blister.

An eruption of Clusters of pimples like  
the measles on the pit of the stomach  
favourable. Dr Hume & Dr Cheney. also  
yellowness not before the 4<sup>th</sup> or 5<sup>th</sup> day. —  
Cure 1 Stage. V

1 Bleeding - Dr Hume & Dr Hillary agree in  
this remedy. Case of a woman in 1762. #



opening of abscess after vs: & a profusion of blood in the  
bed has ensued. p: 431.

V Dr Balfour supposes the yellow color  
owing to a defect of daily evacuations.

1790

V. During the present autumn, all our  
Remittents have required Bleeding, & the  
<sup>blood</sup> ~~bleeding~~ <sup>has been</sup> in all cases dry. In some cases the  
vs: has been repeated two or three times. The  
liver was much affected in most of them,  
and the disease ~~was~~ often put on all the  
symptoms of Hepatitis, but was distinguish:  
from it by coming on or going off with symp-  
toms of intermitting or remitting fever.  
One case only terminated in Abscess after  
five bleedings, but it has ended favourably.  
The inflam<sup>d</sup> disposition in our Astrucual  
fever was kept on by our coolers.



2 purging. 1 Sulphur V 79

3 Cool Air. 4 Cold Drinks - Dr Hume speaks  
highly of them. <sup>In Italy Ice-water used in bilious</sup>  
~~Cocoa nut liquor agreeable.~~  
<sup>business.</sup>

5 Blisters to the thighs. 6 Bark & Sassafras  
vomiting improper. no  
in port wine - if rejected by the stomach  
crisis was from it. - mostly p: 434

~~in Glysters~~ - Vomiting to be checked by  
also Cocoa Milk - River's  
Bitters, especially Columba root - Vomits  
mixture according to Dr Badema's. & <sup>not</sup> root tea.  
seldom proper - Opium harmful. Toment.  
useful to the stomach. -  
2<sup>nd</sup> Stage -

All the remedies before mentioned. Sice-  
-ough - alarming sign - Oil of amber used it. &c  
Bilious intermittent

Common all over the World. See Pringle -  
Clegg - Menzies &c. Common in this  
city. The description in the Volume of  
says a picture of it here. <sup>see</sup> Dr Cullen's Varieties  
of it under the head of intermittents.

Remedies - 1 Vsect. 2 V.

2 Vomits of I. Smet. - if forbidden by  
prejudice - pregnancy - or haematemesis  
then 3 purges. 4 Blisters 5 Bark. to be given



✓ Dr Balfour gave from 3 to 5 grains a day of opium with the bark. It is always safe where the skin is open, and the head free of pain. Visual Obstructions not regarded by him.

Mr Bruce has thrown light on the means of preventing these fevers. - These are pepper in diet even Rice so much as to inflame the throats of people not used to it. Avoiding Spirits - Broths - and ripe fruit which after being plucked has been exposed to the sun. - making the chief meal at night when the cool air restores the tone of the stomach. - Sleeping in a smoke house. Dr Filson's hospitals, & Count Saxe's house. Dr Filson's hospitals, & Count Saxe's house. remark in favor of earthen floors. -

✓ I have said that yellow fever. Inflam<sup>tion</sup> bilious fever - mild ~~intermittent~~ <sup>Remittent</sup> - Intermittent - Chronic fever in ~~the form of~~ <sup>its</sup> typhoid & typhus types, & febricula or inward fever. - are all the offspring of miasmata diff



in the first interruption. If disagrees w:  
the stomach - Lh. may be added to it - with  
lime juice. 6 Lh. at bedtime - after full-  
ness & tension removed from the System.

## Febricula

Common in this Country, <sup>in the Autumn</sup> called in  
Maryland "mild fever". Increases at  
night, but not so bad as to confine the  
patient to his bed, or to affect his head -  
- or appetite - Sometimes ~~but~~ it is attended  
by Dysentery. I have been baffled for many  
years in attempting to cure it - Bark - Wine  
Vermits all tried to no purpose. I have at  
last found <sup>occasional &c.</sup> Blisters & Opium its only  
& most effectual remedies. — ✓

## Cholera morbus

From the causes of this disease - & season  
in <sup>which</sup> it attacks. I think it properly comes



modified, or more influenced by the constitution of  
the atmosphere — I have said they prevail in different  
years, singly, or all in the same years in different  
~~years~~ persons as in 1802 in Philad.<sup>a</sup> I now add that  
that two or more forms of them sometimes  
appear in the same persons, & sometimes all  
three forms in the same person. Both have often  
occurred in the course of my practice & in 1802.  
I have thus given a general Acc<sup>t</sup> of the eleven.

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✓ It differs from fever in the  
convulsion being transferred from  
the arterial system, to the alim.  
canal. —

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○ primary states of fever. All the other  
forms of fever will be included in them.

You are not to expect to find them <sup>uniform</sup>  
according to their names. Eg you will find  
Intermitt<sup>t</sup> fever & malignant combined, & even  
the febricula & malignant in the same  
person. This is the case in the walking  
states of yellow fever. Again you will



with  
 in ~~after~~ Antennal fevers. It occurs in July  
 & August - ~~just after~~ The first disease after the  
 influence of the cold weather <sup>of the preceding winter</sup> has ceased on  
 the system. Its most frequent cause - Cool, or  
 Damp Air after a warm day - & generally  
 occurs in the night - I have known it in a  
 thunder gust - but seldom unless the windows  
 are left open - The Air is probably impreg-  
 nated w<sup>th</sup> Effluvia - or if not the debility  
 induced by the cold Air during the extreme  
 heat of the body, produces unequal determi-  
 nation - and of course excels of <sup>irregu-</sup> action in  
 the Alimentary Canal. But Acid Substances,  
 & even Summer fruit evolving an excess of  
 Acid have the same effect - yes, - but they  
 support our proximate cause, - I shew that  
 the remote causes of fever act on the ali-  
 mentary Canal as well as on other  
 parts of the body. It is attended with great



met with typhoid & typhus combined with  
Synocha in phurisy. All this should teach  
us to forget the names of fever & to be governed  
only by their symptoms. It should teach  
us further, that ~~the~~ in ~~the~~ being delivered

~~& the irregular acts~~  
from the burden of nosology, we are not  
delivered from labor <sup>& solicitude</sup> in the treatment of  
fevers. On the contrary, the facts I have  
laid before you (for I deny that ~~I have delivered~~ <sup>there any</sup>  
~~a single theory~~ in the unity & transmutations  
of fever) ~~with~~ <sup>is</sup> imposes upon ~~you~~ <sup>us</sup> the necessity  
not only of visiting our patients very  
often, but of examining their symptoms  
with the same care, at each visit, that  
we do, the first time we see them, as  
every day, nay more every morning &  
evening may exhibit to us a new  
form of the disease.

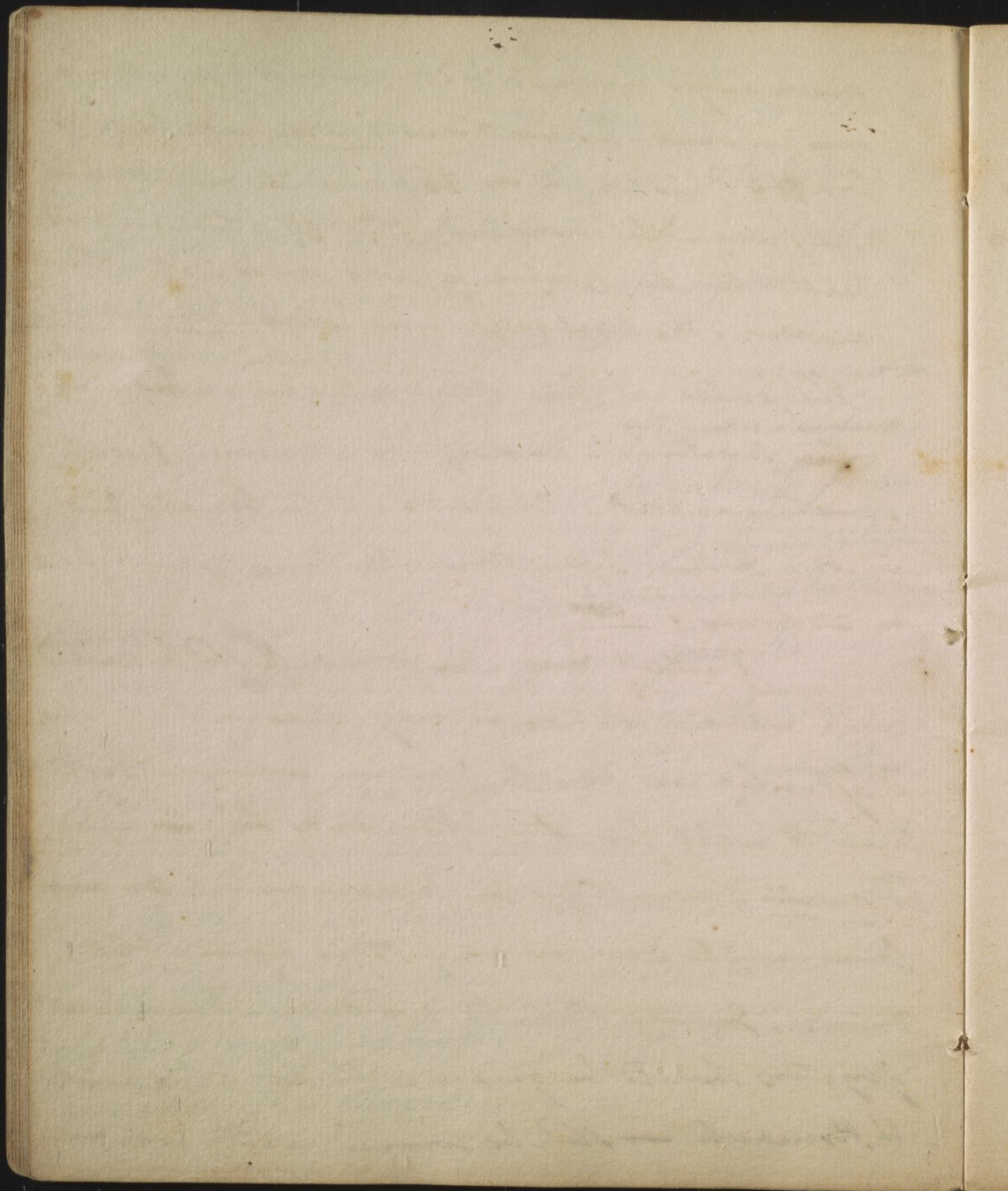


discharge upwards & downwards - sometimes only upwards - & sometimes Downwards. (L. miles lost ~~1/8~~ of his weight in 36 hours. He had accidentally weighed himself July 5<sup>th</sup> 1789 when in good health two days before he was seized with this disorder. His discharge were wholly Downwards.

- The pulse in this disease is <sup>small and irregular</sup> weak & quick -  
 nausea - vomiting  
 - ~~the~~ faintness - anxiety - heart burn - sweats  
 sometimes cold - Cramps in the bowels &  
 limbs - If these symptoms continue prove fatal in 24 hours. -

If called soon - The stomach sh<sup>d</sup> be washed with warm water, or any pleasant drink. Dr. Denham directs Chalk water - not time to wait for it. Afterwards L<sup>t</sup> is begin <sup>the</sup> in small quantities in pepper mint or any Camomile tea, or any other agreeable drink. Increase them to 200 drops - Demulcent Glysters should be given with L<sup>t</sup>. - The bowels & stomach ~~can~~ sh<sup>d</sup> be covered with warm







plasters - Venice treacle best - ~~spice~~ warm  
 spirits. Vomiting sometimes restrained by  
 toasted oatmeal dissolved in water. Thus for  
 the Spontaneous Cholera. - Drullen's 2<sup>nd</sup>  
 species. Accidentalis - From capsula -  
 from summer fruits - unwholesome aliment,  
 - putrid fish - oysters - birds - whole families often  
 disordered from this cause - The whole college of  
 60 boys once from pigeons that had fed on  
 poke berries - and poisons as Arsenic Sublim<sup>te</sup>  
 Vitriols &c. The cure consists in 1 Evacuation  
 if the stomach & bowels will bear it. This  
 most necessary after capsula - or hard or  
 unwholesome aliment - 2 Emmulcents espe-  
 -cially by the way of Glyster - these are milk &  
 Oil - ~~Mr Wallace's case~~. 3 Dilution - This lessens  
 activity of all poisons by lessening concentration.  
 4 ~~Depleting~~ Lessening the sensibility of the system  
 by opium. Wonderful Recoveries! Dr Robert's  
 feat of Arsenic. Mr Wallace's case.



+ D<sup>r</sup> Hunter describes an immediate desire  
to go to stool, to follow drinking or eating to  
be a symptom of Dysentery in Jamaica.

attend on

✓ It is very apt to follow those seasons  
in which the grain is ~~lower~~ damaged  
from any cause, & more apt to affect  
the poor who live on succulent vegetables,  
as potatoes - yams &c than those who  
live on ~~good~~ wholesome grain.



Dysentery

" A ~~contagious~~ fever - frequent stools -  
 mucous or bloody - cramping - gripping -  
 & tenesmus<sup>+</sup> - Proximate Cause - except <sup>of menses</sup> or defect  
 of action in the alim<sup>t</sup>: canal - w<sup>th</sup> stricture on the Colon.  
 Long dispute whether idiopathic or Sympto-  
 -matic disorder i.e. - whether it depends  
 on a Specific contagion, or on the same  
 miasmata which produce remitting - bilit-  
 -ous & intermitting fevers differently mod-  
 -ified by the Constitution<sup>of the patient</sup>, or <sup>by</sup> the state of the  
 Air. - Like them It occurs in the same seasons.  
 & like them it succeeds long dry, & long  
 moist & afterwards hot weather both of  
 which favour the formation of miasmata.

Dr Sydenham seems to think it depends  
 on Specific contagion, & is different from  
 Autumnal fever. He supposes that where



✓ Sometimes they are driven away altogether,  
or compelled to hide themselves during the  
prevalence of the reigning epidemic. Thus  
the measles in 1670 & the intermitting fe-  
-ver in 1671 banished the Small pox, but  
in the beginning of 1672 when those diseases  
had spent themselves, the small pox came  
forward & became the Epidemic.  
D. Tydenham.

The plague likewise banished all other diseases.  
D<sup>c</sup>

The measles banished the Scarlatina angli-  
-cans in the Spring of 1789. It appeared after the  
measles disappeared. The Influenza did the same  
in the fall of 1789. Scarlatina returned afterwards. D<sup>r</sup>



several epidemics prevail, there will be  
some one <sup>of</sup> which will predominate over all the  
others, and incorporate itself with them.

A kind of  
- Monarchy seems to prevail in diseases,  
and none are suffered to come forward w:  
the <sup>reigning</sup> ~~reigning~~ disorder but such as wear <sup>its</sup> ~~some~~  
livery. E.g. The autumnal fevers of 1783  
were all marked more or less with ~~the~~ some  
of the symptoms of the Scarlatina anginosa  
such as pains behind the ears - sore throat  
& swellings in the hands & feet - for the  
Scarlatina anginosa was the royal disease  
of this season. The common fevers in Hyden-  
-ham's time partook of the fever of the small  
pox when that disorder was epidemic.  
- They were <sup>all</sup> attended with the salivation  
peculiar to the ~~face~~ variolous fever. In  
like manner - may not the dysentery  
which accompanies interm? - vomiting



Huxham tells us that in the year 1752  
when the Ulcerous sore throat prevailed in  
Plymouth, fevers of all kinds shewed a  
disposition to sweat - to eruptions - to sore  
throat, & were apt to be. Even the small pox  
was attended with dangerous Ulcers in the  
throat, & difficulty of swallowing. —

Some diseases appear as it were in water  
colours - while in other ~~diseases~~ seasons of same  
diseases appear in mosaic work. —

V Mr Bruce says that at Mafnah at  
Island in the Red Sea, they often change  
into each other. — Dr Mosely says that he  
observed the stools ~~are~~ to be most frequent <sup>at</sup>  
the symptoms to be most aggravated, ~~when~~  
the time when Remittents had their  
exacerbations. — He also saw the diseases  
succeed each other. p 199.

Dr Akenhead says - it is a Rhinismation  
thrown in on the bowels. — This Rhinismation



putrid & even inflamed? ~~symptoms~~ fevers, be  
nothing more than symptoms borrowed  
from an original & idiopathic dysentery?

- and may not the reason why the Dysen-  
tery makes its appearance with these fevers  
be owing to the malar miasmata acting not  
as a remote, but an exciting cause of a  
contagion previously existing in the body?

- The question is a knotty one - I have believed,  
& disbelieved ~~them~~ <sup>it</sup> to be ~~an~~ an idiopathic dis-  
-ease above half a dozen times in the course  
of my life. <sup>But no</sup> single supposes them to be distinct  
diseases. The decision of it - ~~and~~ not very  
important. Most of our Dysenteries I

believe are symptomatic. What Syden-  
-ham calls "febris introverta". This I infer  
from its yielding so generally to the  
usual remedies of autumnal fevers.

See ~~some~~ <sup>these</sup> remarks. ✓

1 Dr Sydenham tells us that the



mistaken for the Remitting fever which is attended  
with pain in the bones. - Perhaps it may in  
some cases. I once saw it in Mr Rich's case.

✓ The dysentery contagious - even when chronic.  
Of this Dr Lind relates an instance in a man  
who had it two years. It infected every person  
who used the same privy or close stool with  
him. - The privies Pringle says a great  
source of infection. Is not uniformly  
contagious, - but on a footing with  
Remitt<sup>d</sup> & intermitting fevers. - DeGner

says the Jews & French people (two old men  
of the latter excepted) all escaped the plague  
which raged at Marseilles in 1736. -

~~Pringle~~ Pringle says it not contagious, ~~but~~ if Dr  
Sydenham's doctrine be true of its being febris  
introversa - for ~~the~~ fevers are not contagious,  
but in this he is mistaken - for remitt<sup>d</sup>.  
& even intermit<sup>t</sup> fevers are. Often so. -



Idiopathic Dysentery, generally disappears upon the approach of cold weather, but that the Dysenteric fever, or symptomatic dysentery frequently continued during the part, or the whole of the winter. This fact favors the first opinion. ✓

2 In this country, Dysentery most common in high situations as Germantown, Chestnut hill - White marsh & Princeton. - Intermittents scarcely known in either of these places - but it is remarkable, that at the same season intermittents always prevail in the countries below them. This favors the idea of its being a symptomatic disorder, ~~but that~~ These high situations are ~~both~~ more dry than the country below them, & the vicissitudes from heat to cold greater in the night. - It is of consequence to inquire how far these two circumstances may favor



✓ 3 It is more common & more fatal in country places than in towns. Probably the difficulty of obtaining help in time may be one cause of this, but the generous diet of citizens probably tends more to fortify the bowels against it, than the more temperate & simple diet of country people. Fact at Jersey College in 1759. <sup>Now or none of the city boys had it.</sup>

It is more common among the negroes than the white people according to Dr Hilling in the Island of Barbadoes. It is the disease which is generally so fatal on board ~~of~~ the Ships which are employed in the African trade.

4 Summer fruits accused <sup>go back to p 84 v</sup> ~~improperly~~ of being the cause of this disease. An excess of ripe, or a small quantity of unripe fruit may produce it. But



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the formation of an original, or favour the complication of a Symptomatic Disorder.

The history of the disease accurately given by DeFullen - DeGuer says he never saw it accompanied <sup>th</sup> with a pain in the head. Other writers <sup>Describe</sup> ~~ascribe~~ an excruciating pain in the head as one of its most characteristic symptoms.

It is most fatal to old people - women & children - especially the latter. ~~It is~~ <sup>It is</sup> ~~very~~ <sup>It is</sup> ~~tends~~ <sup>tends</sup> to death. Few recover without the aid of medicine, & few die who are treated properly in it. ~~Proximate cause - increased action or defect of the structure of the larynx.~~  
As the disease is so much affected by seasons of the year & mixture with other diseases, the treatment must be different according to the season or its complication with other diseases.

1 If Inflam<sup>y</sup> diathesis, or great excess of Action in the pulse without it - V.S. - seldom necessary in our climate, never but once,



mixed with salt diet  
used in moderation tends to prevent it. Dr  
Sipot used them w: success in the cure of the  
Dysentery: - ~~Mixed with salt diet~~ Many diseases  
in summer prevented by salt diet - none  
more than Dysentery. Count Castiglioni's  
remark on the inhabitants of Marolins.

5 The late excellent Dr Clarkson informed me  
that he had once seen a Dysentery go off in a  
<sup>spontaneous</sup> profuse salivation.

6 I once saw a Dysentery suddenly terminate in  
inflamed Ophthalmia & Rheumatism.

✓ In the West Indies - Salt & lime juice  
used - but chiefly for negroes - in whom  
there is weakness or defect of action from  
the beginning. It be used <sup>like</sup> Rhub. tost.  
only in the 2<sup>d</sup> stage here. - also  
Linctus oil - Cw: Juice Jun<sup>r</sup> & the vinegar  
& melapies in my brother's family.



- blood<sup>is</sup> very - patient died. - One of two  
 molasses & vinegar a P & Q in my  
 Adults lost by me. - 2 Vomits - To be used  
 Brother's family a cure in three cases. Look: of each  
 only when great nausea, or evident  
 marks of its being febris introversae appear.

Tart: Emet. to be preferred. 3 Purges.

These should be of the most lenient kind.

Crem.  $\frac{1}{2}$  - Salts - Castor Oil - Manna  
 should be used every day - or every  
 to be prefer? - Jalap Drastic - & Rhubarb?  
 other day. -

nauseous & griping. It should never be  
 used but tested - takes off its griping  
 & it is quality. ~~4) Opium~~ <sup>Glysters. Dr</sup>

~~Right Sydenham~~ highly commended  
 particularly <sup>then,</sup> ~~they~~ <sup>they</sup> ~~be~~ <sup>be</sup> ~~demulcents~~ <sup>demulcents</sup>. Cold water used  
 in Italy. <sup>operation.</sup> ~~It?~~ <sup>It?</sup> ~~be~~ <sup>be</sup> ~~only~~ <sup>only</sup> ~~where~~ <sup>where</sup> ~~there~~ <sup>there</sup> ~~is~~ <sup>is</sup> ~~accept~~ <sup>accept</sup>  
 5 Opials - every night - & sometimes  
 in the Day time also wine. -

6 Diluents - Whay commended by Dr.  
 Sydenham - Flaxseed tea - Rice &  
 Barley water - Camomile - & mallow  
 teas all proper. Cold water used by the  
 poor with <sup>supper</sup> ~~supper~~ <sup>Huxham</sup> ~~Huxham~~  
 Demulcents - White Decoctions,



✓ Dispositions show inflam<sup>n</sup> chiefly in  
the lower bowels. —

Sir J. Pingle remarks that the disease  
is the same in all climates & yields  
every where to the same remedies. Dr  
Keasley <sup>senr</sup> says he never saw it alike two successive  
<sup>years in India</sup>  
The continuation of Dysentery & fail  
<sup>to Dr Pingle</sup>  
guar he <sup>senr</sup> says generally fatal. —

A Strangury sometimes accompanies  
Dysentery.  
Inasmuch.

A sunk countenance - restlessness <sup>or no</sup> without  
pain - intermitting pulse - hiccup (except  
in the beginning) sore throat, cedematous  
throat - and squeaking voice all indicate  
~~low~~ danger and death. One exception  
only to the last symptom - Wm Fishburne.  
It is remarkable patients in the last  
stage of this disorder pass and in cholera



with Shavings of Hartshorn & <sup>mutton</sup> milk -  
 Arabic - milk & mutton <sup>fat</sup> - Dr.  
 Buchanan's diet, of boiled flour made into  
<sup>used first by Dr. Rutherford.</sup>  
 gruel & excellent! also Broths of all kinds.  
 Senae denied them, & gave only diluting & demulcent  
 & Blisters - to the bowels or <sup>limbs</sup> extremities.

I always use them after 5<sup>th</sup> day if the  
 Disease <sup>does</sup> not <sup>yield</sup> to other medicines. They  
 are more especially useful in Introversa. -

Q Bark - very proper where remissions  
 appear in the morning, or when the  
 disease is worse every other day. If Sym-  
 -ptoms of great debility, or putrid Septic  
 diathesis appear may be given much  
 earlier. - 10 Emptying privies. ✓

Dysentery often succeeds Dysentery.  
 Remedies - port wine - <sup>glyster of Ipec: L & Rhiz</sup> generous diet -  
 & gentle exercise. Sometimes <sup>trismus</sup> ~~trismus~~

& I once saw a case of palsy of the  
<sup>arms</sup> ~~arms~~ follow Dysentery.

Dr. Cullen gives five varieties.



have a good deal of strength, & often set up  
or walk about to the last even with ~~the~~  
livid hands & face. —

+ Mr Hindley's fast of purges & salt water  
preventing Dysentery, twice, when epidemic.

Mr Bruce describes a Dysentery which  
began with a Dysarrhea. "It is rarely cured  
if it begins in the rainy season, but if it  
happens in the sunny six months, or at the  
end of the rainy ones, small doses of Greece  
carry it off, or change it into an Intermittent".  
Sennertius says Rhubarb purges in infusion  
extract & decoction - in Substance it is more  
astringent - toasting increases its astringency.  
Morely p. 313

Willis says in the Dysenteria Cruentata of  
1670 no purges - vomits - or V. did good; only  
cordials. see Dr Lays's Art of Dysentery in reflex.  
in his letter to me.



1 with worms. 2. Sebaceous or fleshy matter.  
 3 Intermittent fever. 4 without blood. 5  
 with military eruption. — all require the  
 nearly  
 same treatment. where worms attend  
 Sir J<sup>d</sup> Pringle gave Calomel with his  
 purges.<sup>+</sup>

The Dysentericula like the  
Febricula — does not confine the patient  
 to his bed. Cured by Blisters & Bark if  
 other medicines prove ineffectual.

Let:

of the mild Intermittent state of fever.

" ~~Fever from malarious miasmata~~, con-  
 sisting of different paroxysms recur-  
 ring at different periods <sup>generally</sup> with chillings,  
~~only once in a day~~. I say generally,  
 with chillings — when without called  
 Dumb ague. The chill the voice. —

They are quotidian — tertian &



or varieties

V These compositions are - 1 In the tetrameter 1 a fitt every ~~other~~ day - the strongest on the 3<sup>rd</sup>. 2 Two fitts every <sup>other</sup> day. 3 <sup>Two</sup> a fitts every day, & one on the intermediate day. 4 a fitt every day with a greater remission between the 3<sup>rd</sup> & the 2<sup>nd</sup> day, than between the 2<sup>nd</sup> & the 3<sup>rd</sup>. ~~5 In the pentameter~~ <sup>5<sup>th</sup></sup> ~~are~~ only remitting. all bilious remittents of Books belong to this class.

II The Quintan - 1 a fitt every 4<sup>th</sup> day. 2 Two fitts on the 4<sup>th</sup> day, & none on others. 3 ~~Two~~ Three fitts on the fourth day, & none on others. 4 the 3<sup>rd</sup> day only free from fever - the same force of fitts on the 4<sup>th</sup> day. 5 a fitt every day - the fitts on the 4<sup>th</sup> day alike.

III Quotidian - varied by being more or less continual - or by <sup>affecting a part or</sup> ~~being continued with~~ the whole system, or two fitts every day.

Terliam the original type.

turn over - to 93 ✓



✓  
 quartan. ~~Each of which~~ all these compo-  
 = sitions of intermittents, mentioned by  
 Dr. Cullen have been considered ~~more or less~~  
 = ~~properly~~ under the head of remitting fever.  
 They are notwithstanding one disease  
 & from the same cause. The intermitting  
 fever becomes remitting, only in proportion  
 as it is combined with <sup>stimulus</sup> inflammation. The  
 less of this, the more <sup>it assumes</sup> ~~remits~~ ~~remits~~ of the inter-  
 = mitting type. In quotidian less than remit-  
 = tent. In tertian less than quotidian - &  
 in quartan less than tertian. Hence we  
 find the same fever will run thro' all  
 the types of remittent - <sup>quotidian</sup> tertian & quartan  
 according to the <sup>stimulus</sup> ~~dis~~ dissipation of inflam-  
 or excess of action in the Art. System,  
~~diathesis, or progress of debility.~~ Hence too  
 weakly & old people most subject to  
 the quartan - & hence the greater



✓ From the end of one fitt, to the beginning of ano-  
-ther - Intermission - From the beginning of one  
fitt, to the beginning of another - Interval.



Obstinacy of the Quarta, than any other  
 Species - it depends upon the lowest degree  
 of <sup>predisposing</sup> ~~fibrile~~ debility] - ✓

[What is the difference between the  
 debility in interm<sup>it</sup> fevers & in the typhus?  
 - In the latter - <sup>little</sup> ~~no~~ excitability - In the  
 former - <sup>& excitement are</sup> excitability is often in excess - hence  
 the termination of every paroxysm in an  
 intermission. [There is <sup>some</sup> ~~a~~ deficit of excitement  
 in both cases - but much greater in the  
 typhus.]

[What is the cause of the recurrence of  
 Intermit<sup>it</sup>s? Dr Cullen resolves it into  
 habit, & a secret influence of the ~~inf~~  
 heavenly bodies on our Constitutions. Others  
 into a reproduction of the remote cause  
 in the system - then first hypothetical,  
 the last not true <sup>for</sup> - Intermit<sup>it</sup>s  
 occur in the Spring.]



✓ The same causes operates both on the  
Arterial & nervous system. Dr. Fullen's  
theory is certainly  
a step towards it. There is ~~certainly~~ a  
deep seated  
disposition in the body & mind to the repetition  
of motions, and ~~these~~ actions. Instances of it  
occur every day. We eat - sleep - discharge  
feces - Urine from habit at a certain hour.  
~~Perhaps association of ideas, something to do with it.~~  
~~Trivial fact of the woman who took Snuff.~~  
~~Perhaps a single impression of <sup>or absence of one</sup> the mind is  
not conscious may bring on convulsion in  
the Arterial system, as a single that does  
repetition of  
a convulsion in the nervous system.~~







Tracts of flowers on the same day after 1<sup>st</sup> of  
June every year - also of boys & girls - also of  
visiting a patient at the same hour next day  
that he first sent - also same degree of light  
& temperature of air producing aporiation, also  
sleep - conversation - and a strong emotion pulling  
off a fitt. -

Duration of the  
The textian says Dr. Thuring Vol: 2. p 109 is not  
counted by the days or weeks - but by <sup>months</sup> weeks &  
years in the moist Climate of Asturia, <sup>where</sup> ~~the~~ it  
kills not by its Violence, but its Duration. Fevers  
here terminate by ~~Urine~~ - Dysentery - Abscess - or  
Salivation. I Dr. Bruce had it 16 years. It some-  
times protracts itself with intervals for years in our Country.  
Dr. Bruce had it ~~off~~ off for 16 years.  
It is moreover when neglected, or im-  
properly treated, the Cause of many  
chronic and fatal diseases. But what  
adds most to its importance it is the  
original form of all fevers. It becomes  
no therefore to study its nature & Remedies with  
as much care as the Diseases supposed to be  
of a more fatal nature.



95

Dysentery - of ~~other diseases~~ with coma & ~~cessa~~ apo-  
-plexy - w<sup>th</sup> convulsions - <sup>mania</sup> with an eruption  
or efflorescence on the skin - with inflam<sup>y</sup>  
congestions - w<sup>th</sup> Colic - with <sup>periodical</sup> topical pains as  
head - ear - teeth & back - hip - eyes, and with  
for the history of intermittents see D?  
a periodical puking of Bill. Gov<sup>r</sup> Quercus.  
Cullen. + Cure.

However simple the treatment of this  
Disease now - was once incurable. James  
L & Oliver Cromwell died with it. It is still  
~~fatal in Holland - owing to 2<sup>d</sup> of prejudicial reg<sup>ts</sup>~~  
~~Beauchamp~~ of Intermittent fever <sup>three</sup>  
The cure divides itself into two  
parts. I To moderate or conduct the  
return of the  
fit. II To prevent the fit. This subject  
divided into 2 parts, 1 Just before the fit 2 In its interval.  
I To moderate or conduct the  
paroxysm to a favourable issue.  
I To moderate or conduct the paroxysm.  
by Dehaen For this purpose we must lay  
down the marks of it: 1 Its occurring  
in the intermission ~~mon~~ <sup>while</sup> other  
intermittents prevail 2 The <sup>long</sup> duration of  
the cold fit. 3 Discharge of bile. 4 Its



V treatise upon the Diseases of the  
Lucia commends it in high terms.  
I have ~~constantly~~ <sup>often</sup> used <sup>it</sup> in the ~~the~~ <sup>moderate</sup> state of  
~~Liquid form~~ in the paroxysm of  
the fever, & I think with great advantage.  
It composes the vomiting - lessens  
pain, and disposes to sweat. Some  
Physicians give Bark in the fit of  
the fever. I can easily conceive of a  
state of interm<sup>9</sup> fever <sup>low or</sup> typhus, as  
to render the Bark both safe and  
useful in the paroxysm, but I have  
always found L: sufficient to answer  
all the ends of Opium: — here  
the action is <sup>so</sup> weak, that Opium  
predominates over it. In the malign<sup>t</sup>.  
state of Interm<sup>9</sup> fever Opium increases  
of disease — may more — induces death. #



time of <sup>96</sup> attaching ~~in the morning~~ <sup>§</sup>. Patients in  
the paroxysm are objects of medicine. It  
sometimes proves fatal. ~~But~~ some say  
in the cold fit - But Dr Lind says - not  
I believe him <sup>for</sup> the cold fit <sup>is</sup> the first sym-  
ptom of action <sup>in the system.</sup> the of miasmata, or  
~~debility~~ <sup>sometimes</sup> killed by like lightning or poison  
by sudden destruction of existence. It  
is further of consequence to moderate the  
fit - to ease pain - to prevent visceral  
obstructions - & to preserve the strength of  
the system. In every fit there is <sup>more or less</sup>  
~~great apparent action~~ <sup>great debility in</sup>  
~~the stomach~~ <sup>the</sup> vomiting. ~~strong~~  
remedies for it & are 1<sup>st</sup> the stimulus of  
heat - best promoted by warm bed,  
& warm drinks - which <sup>is</sup> the most  
agreeable. 2 Opium. Dr Kolloth  
~~say on opium~~ in his V



+ in former years, & of late I have depended chiefly upon it instead of the Bark. - It was first used by Lind.

The remedies for this purpose are 1st:  
2 Hot Bath 3 Cold Bath. 4 wine and Ard.  
5 Vinegar & pepper. 6 Sulphur & p.  
7 Nutmegs. 8 Tobacco - 9 Stramonium  
tied to the Ankle. 10 a ride on horseback  
11 sweating before a fire. ~~12 Riding on horseback~~ <sup>on British</sup>  
12 Terror. They all act by remo-  
ving predisposing debility. +  
Officer. Boyle - & Wm Rich. Case.

✓ The supposed bite of the Tarantula in  
Apulia is cured by dancing from dancing.  
It is an intermittent - occurs every  
year from remote causes of intermittents,  
but unfortunately at the same time the  
Spider called Tarantula makes its appearance.  
[false associations]

~~+ 10 cups Urine from Apoi.~~  
~~- at 11.~~ 11. The Gossageet  
prevents the chill - opens hot fit - quickens  
& fills the pulse. - afterwards falls below par.



97  
11 To prevent the return of the fitt just  
before its Attack. ~~⊕~~  
This may be done ~~⊕~~ by a great variety of

medicines - all of which act by obviating  
that debility, which is always greatest  
just before the Attack of the fitt. ~~These are~~  
1. palliative or temporary - & 2. radical. The first are  
~~opium~~ & opium. 30 or 40 Drops of Lk:  
given <sup>several</sup> ~~at~~ <sup>from 5 to 10 at a dose</sup> ~~before~~ <sup>several</sup> ~~times~~ <sup>times</sup> before the fitt

fails of strengthening the fitt. I have tried  
Stramonium to the aphles has the same  
it with success. 2. Aromatics of various  
effort. also Tobacco & pepper & Vinegar.  
kind - particularly Nutmegs. 3. ~~tonics~~ tonics

consisting of bitters & astringents such as

Century - Camomile - Willow  
poplar - gentian - Dogwood - ~~Camomile~~  
~~also various~~ gentian or galls ~~also~~

It acts as  
1. spiders web or juice. - a stimulant.

2. sweating before the fitt, & drinking at  
the same time some hot spirituous liq

3. Riding on horseback. 4. terror  
as in Richards case. 5. Cold Bath. 6. Light-  
ning. <sup>generally</sup> all these only prevent a single fitt.



V Recommended in this way by  
Dr Lister & since by Cullen & Latity  
by Dr Foster. opposed only by Home

V [Dr Home denies this, & recommends it  
immed.<sup>y</sup> after a fitt. He says just before  
a fitt - it increases it - & prevents or  
mitigates the succeeding fitt. Both ways  
best - I give it during the whole inter-  
-mission. Home doubtful! visceral Obstruc-  
-tions not to be regarded, Balfour.]



ways of these remedies - I have uniformly & certainly  
They do not <sup>not</sup> eradicate it from the system.  
- many of them were known & used while

intermittents were <sup>in vogue</sup>. we must  
therefore have recourse to <sup>for the mild & delicate</sup> Bark. This is  
It is composed of bitter & astringent qualities.  
a sovereign remedy in this disease.

~~Brown~~ <sup>was</sup> the first man in Britain who  
has denied its efficacy. <sup>He</sup> never saw an

~~intermittent, nor perhaps the effects of  
a dose of CP. in any disease in his life.  
A man might as well as attempt to  
learn to swim by hearing a lecture on  
that art without going into the water as  
attempt to be a physician without a  
familiarity with diseases.~~

To obtain the  
greatest advantage from CP. it sh<sup>d</sup>. be

given in large doses when the debility  
is greatest <sup>from 3p to 3p list</sup> is just before the attack. 2

In substance 3 mixed w<sup>th</sup> <sup>tinctor</sup> danger<sup>ous</sup> w<sup>at</sup>. if it pur<sup>ge</sup>.

4 w<sup>th</sup> Rhub: if it occasions col<sup>ic</sup>.  
5 after the disease is cured



+ And before full & change of  
the moon. ~~It~~ It should be taken in milk-  
wine - or porter. But as it sometimes objected to

~~It~~ <sup>As</sup> It is difficult to give it to Children. Th<sup>d</sup>.

Therefore be applied in waiscrats, ~~or~~  
bath, <sup>or ghysters.</sup>

The extremities of the arteries, on  
surface of the body very sensible in Children..

---

D in the form of a powder - Other modes of  
giving it have been proposed. a Dr<sup>r</sup> Mercurio highly  
recommends drinking the following beer. Viz Bark &  
brown Sugar &c - water as much as will  
be sufficient to cover it, & thus to induce a ferment<sup>n</sup>.  
in it. Each:; in any agreeable vehicle at bed.  
th: - It may be taken in an extract <sup>in pills or</sup> mixed  
with water & a little spirit <sup>But it is most</sup>  
<sup>most fit after often worse.</sup> <sup>as good as</sup> <sup>best prevented.</sup>  
effectual in powder. In contemplating the  
general <sup>use &</sup> & invaluable benefits of this noble  
remedy. we are struck with 3 things in its his-  
tory 1 It was discovered by an Indian. 2 It was  
introduced into medicine by a priest - <sup>3 It was</sup> ~~not~~ <sup>discovered</sup> &



99

Some preventing Dosis should be given.

Especially near the usual time of its  
recurrence, & near 8<sup>th</sup> & 14<sup>th</sup> days. <sup>Red bark but</sup> Bark  
does not produce visceral obstructions. <sup>Red bark but</sup>

~~But there are cases where Bark~~

~~fails - what then? 2<sup>d</sup> Time - highly com-  
-mended by Dr Blane. - But of this~~

~~fails - what then? 3<sup>d</sup> <sup>id</sup> Blisters. They  <sup>seldom</sup> ~~are~~  
fail. But if they do rise - what then?~~

~~is the materia medica - exhausted? No?~~

~~4<sup>th</sup> Bleeding. This has never deceived me,  
if used in winter, & <sup>it</sup> ~~proved~~ when lots of  
bark have been given to no purpose. It  
succeeds in Quarters as well as tertians.~~

~~Now sh<sup>d</sup>. we reconcile this remedy <sup>to</sup> our theory  
of fevers? - perfectly well. our definition  
includes mixture of excess & defect of action.~~

~~There is excess in one part - defect in  
another of the body - The excess is in the  
Vivacum - hence the intermittents which~~



scouted out of practice by regular bred physicians,  
~~revised~~ <sup>It was</sup> restored to use by a quack of the name of  
Fabor, ~~first~~ 5 It is still unpopular in France,  
& more so in Holland, where from the ~~neglect~~  
prejudices against Intermitents <sup>are</sup> still ~~attended~~  
with fatal diseases.

✓ a case of its success related by D. Mounie  
in 2<sup>nd</sup> Vol. of med. Transactions.



require V.S. are generally accompanied by  
pains in the sides - breast - or bowels - hence they  
seldom occur till after Lomas, or in the spring.  
That this is the case, I infer from the obstructions  
<sup>in</sup> ~~which~~ these parts of the body which follow in  
- intermittents. They are probably at first atten-  
- ded with inflammation. & might have been cured

by V.S. - certainly it is - no such Obstructions  
are to be found where V.S. has been used.

- The blood in these cases is always sizey. I  
have sometimes found two bleedings necessary.

Should <sup>Bleeding</sup> ~~Blister~~ fail, - is there any or should it  
not be indicated by the season of the year, and  
the congestions above mentioned, is there  
any other remedy? - yes - i.e.

5 Mercury. - The late Dr Bond was very  
fond of it. I have used it w<sup>th</sup> success. It opens  
Obstructions, & gives tone to the arterial  
system. Sh<sup>d</sup> be followed by ~~some~~ generous  
diet. -



V Is there any difference to be observed  
between the cure of Venereal & cutaneous  
Intermittents? no other than opening a  
Uter in some cases in the former, and  
giving purging more liberally. As to the idea  
of their being <sup>in the spring</sup> healthy, I discard it. It came  
from theory which often misled even Dr  
Sydenham himself. The story of King  
James the I.



are not yet exhausted. If  $\frac{1}{2}$  fails  
Change of Air. Highly recommended  
 by DeSydenham. Used with success by Jos.  
 Montgomerie. Not always successful. Bruce  
 had an Intermittent 16 years without during his  
 travels. - I have said nothing of vomits in the  
 Intermittent fever. Introduced by them when  
 Intermittents ~~are~~ supposed to <sup>arise from</sup> depend on  
 bile. But they are in most cases unnecessary.  
 They increase debility. If Bile abounds it  
 may be removed by purges. The efficacy of  
 the efficacy of Bark not increased by  
 them. Should never be used - except in  
 2 cases. 1 Before the disease is formed, &  
 2 where great nausea, or tendency to  
 perpetual fever appears. & V

V I said that <sup>certain diseases and</sup> there were typical <sup>under</sup> ~~radical~~ pains (generally periodical) which  
 the Intermittents conceal themselves.



2<sup>nd</sup>  
X The Coma & Apoplexy are the most alarming. I suspect patients who die of the paroxysm of Intermittents die of Apoplexy. I have seen ~~it~~ <sup>for</sup> both Coma & Apoplexy frequently. I once saw the Apoplexy upon the tertiary type. [in Mrs Delant] They both yield to Blisters to the neck and afterwards bark.

3 Convulsions. Most frequent in Children. One of my Children had them till he was 2 years old. Cured by Laud: & Bark. -

4 Inflamm<sup>y</sup> Congestions by Uter:

5 Cholera. This often occurs. Is described by Snac. I have seen it twice fatal in men advanced in life, [Jos: Redman & Buchanan] in 1780. Perhaps where Cholera does not yield to Ld: it is derived from Intermittents. Dr Haygarth's fact of quotidian Vomiting.



D. Senac calls them *forma larvata*.

The head ache is <sup>the story of</sup> ~~not~~ the Eastern <sup>parts</sup> ~~shore~~ of

Swatland related by D. Fullen. This pain

is often the farewell symptom of the winter

- emitting fever - and often attends without

it. To be cured by Blisters & Bark when  
it intermits. & perhaps by extraction of tooth <sup>also by</sup> ~~also by~~

7 ~~When the~~ Disease conceals itself under

the pains of the jaw - ears - eyes - hips -

<sup>The Quotidian must apt to assume these</sup>

or back - <sup>complaints.</sup> It should be treated by Blisters & Bark.

8 Efflorescence - no particular treatment.

9 ~~Myctalopia~~ <sup>one general remark.</sup> ~~probably intermitte[n]t~~ <sup>Bark has cured it.</sup> ~~epidemics.~~

~~I spoke of monarchical diseases. No one~~

~~has so extensive an empire as intermitte[n]ts.~~

<sup>while they prevail</sup>

~~- no complaint can <sup>show itself</sup> without~~

~~doing homage to them. ~~and~~ I have known~~

~~them blend themselves with the vesperal~~

~~fever itself. Let the knowledge of this fact lead~~

~~us to suspect their presence more frequently in~~

~~other diseases, & to treat them accordingly.~~



The diseases which follow the Intermit.<sup>t</sup> fever  
are Dropsy - Jaundice - Obstruction of the liver  
Spleen - Cruentum - Crivium & Jaundice.  
The last are known  
- Known by the names of Spleen & Ague case.

Less frequent since the use of Bark. Highly  
improper to ascribe them to it. To remove  
~~them~~ these Obstructions Dr Bourne gave  
pills of myrror & turpentine. Calomel <sup>is</sup> ~~not~~  
to be preferred to them in small doses.  
~~shall speak of them hereafter~~. The Swelling of  
the <sup>legs</sup> ~~limbs~~ good sign Dr Sydenham says  
in Adults - & of legs & belly in Children. an  
~~acute~~ ~~inflammatory~~ disease changed for a chronic.  
Restorative proper. Dr Sydenham speaks of inflam<sup>n</sup> of tonsils  
~~inflammation~~ <sup>inflammation</sup> improper After the cure is com-  
- pleted. Produces relapses. - Dr Kirshorn used  
the Cold Bath with advantage as a tonic &  
restorative.

shall we employ Intermitents  
to cure mania - Epilepsy &c? - no -  
I shall only add to our account of this



Three ~~two~~ facts. The first was  
disease ~~a common~~ <sup>fact</sup> communicated  
to me by Dr. Laypoole. <sup>It is</sup> that he had often  
known the intermitting fever & a mild  
Yonon has alternate with each other  
in North Carolina - the fact is important,  
& I shall make use of it upon another  
subject hereafter.

2 Dr. Clark of New Castle has lately con-  
firmed <sup>by ~~many~~ ~~observations~~ a number of cases</sup> the opinion of Dr. Leighton that  
the intermitting <sup>the</sup> is not generally, yet

certainly a contagious disease.  
certainly so says Trotter in Typhus.

3 Dr. Irvine (the discoverer of the art of making  
fresh water out of salt) says that a malaria  
often attended the intermission of intermissions  
on the Spanish main in 1780 without  
any fever. I° every fall related by  
Van Swieten.



